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Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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of

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**Complete if Known**

Application Number	10/618,267
Filing Date	July 14, 2003
First Named Inventor	Schneck
Art Unit	1644
Examiner Name	M. DIBRINO

Attorney Docket Number 001107.00355

## U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (If known)			
/MD/		US- 5116964	05/26/1992	Capon et al.	
		US- 5284935	02/08/1994	Clark et al.	
		US- 5420244	05/30/1995	Rudolph et al.	
		US- 5574205	11/12/1996	Kucherlapati et al.	
		US- 5635363	06/03/1997	Altman et al.	
		US- 5652342	07/29/1997	Zimmerman et al.	
		US- 5679641	10/21/1997	Melief et al.	
		US- 5820866	10/13/1998	Kappler et al.	
		US- 5869270	2/09/1999	Rhode et al.	
		US- 6011146	01/04/2000	Mottez et al.	
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/MD/		Serial No. 09/642,660		Schneck et al.	

Examiner Signature

/Marianne Dibrino/

Date Considered

05/22/2007

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				Examiner Name	M. DIBRINO
Sheet	2	of	10	Attorney Docket Number	001107.00355

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (If known)	Publication Date MM - YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
/MD/		EP0352761	07/1989	Behringwerke		
		WO 93/10220	05/1993	Anergen		
		WO 93/17095	09/1993	Scripps		
		WO 93/24525	12/1993	Rijksuniversiteit Leiden; Seed Capital Investment		
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		WO 94/24290	10/1994	British Biotechnology Ltd.		
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		WO 96/04314	02/1996	Dade International Inc.		
		WO 96/20215	07/1996	Laboratoires OM S.A.		
		WO 97/44667	11/1997	Institut Pasteur		
		WO 98/03552	01/1998	Children's Hospital Medical Center		
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		WO 98/10284	03/1998	Ortho Pharmaceutical Corp.		
		WO 99/09064	02/1999	Mount Sinai School of Medicine		
		WO 99/42597	08/1999	Harvard College		
		WO 99/50637	10/1999	Ludwig Institute		
		WO 99/64597	12/1999	USA		
		WO 01/94944	12/13/2001	Memorial Sloan-Kettering		
		WO 00/40968	07-13-2000	Unilever		
		WO 01/80833	11/01/2001	Albani		
		WO 02/065992	08/29/2002	Ortho-McNeil		
		WO 03/057171	07/17/2003	University of Pennsylvania		
/MD/		WO 94/09131	04/28/1994	Harris		

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Substitute for form 1449B/PTO		<b>Complete if Known</b> Application Number      10/618,267 Filing Date      July 14, 2003 First Named Inventor      Schneck Art Unit      1644 Examiner Name      M. DIBRINO					
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>							
<i>(Use as many sheets as necessary)</i>							
Sheet	3					of	10

NON PATENT LITERATURE DOCUMENTS				
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/MD/		J. Dal Porto et al. "A soluble divalent class I major histocompatibility complex molecule inhibits alloreactive T cells at nanomolar concentrations" Proceedings of the National Academy of Science of the USA vol. 90, No. 14, Jul. 15, 1993 pp. 6671-6675.		T <sup>2</sup>
		T. Johansen et al., "Potent inhibition of alloreactive T cells by nanomolar concentrations of a divalent soluble class I MHC molecule" The Journal of Immunology, vol. 150, No. 8, part 2, Aug. 15, 1993, p. 83A. <i>Abstract 464</i>		
		C. Gregoire et al. "Engineered secreted T-cell receptor alpha-beta heterodimers" Proceedings of the National Academy of Sciences of the USA vol. 88, No. 18, Sep. 15, 1991, pp. 8077-8081.		
		D. Eilat et al. "Secretion of a soluble, chimeric gamma-delta T-cell receptor-immunoglobulin heterodimer" Proceedings of the National Academy of Sciences of the USA, vol. 89, No. 15, Aug. 1, 1992, pp. 6871-6875.		
		S. Weber et al. "Specific low-affinity recognition of major histocompatibility complex plus peptide by soluble T-cell receptor" Nature, vol. 356, No. 6372, Apr. 30, 1992, pp. 792-796.		
V /MD/		H-C Chang et al. "A general method for facilitating heterodimeric pairing between two proteins: Application to expression of alpha and beta T-cell receptor extracellular segments" Proceedings of the National Academy of Sciences of the USA, vol. 91, Nov. 1994, pp. 11408-11412.		

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Application Number	10/618,267
Filing Date	July 14, 2003
First Named Inventor	Schneck
Art Unit	1644
Examiner Name	M. DIBRINO

Attorney Docket Number

001107.00355

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/MD/		S. O'Herrin et al. "Expression and analysis of soluble MHC- and TcR-immunoglobulin super dimers" The FASEB Journal, vol. 10, No. 6, Apr. 30, 1996 p. A1473.	
		J. Schneck et al. "Specific inhibition of graft rejection by soluble MHC superdimers" The FASEB Journal, vol. 10, No. 6, Apr. 30, 1996, p. A1473.	
/MD/		M. Lebowitz et al. "Specificity of soluble 2C TcR/Ig super-dimers for peptide/MHC complexes" The FASEB Journal, vol. 10, No. 6, Apr. 30, 1996, p. A1178. <i>Abstract 103</i>	
/MD/		Kalandadze et al. "Expression of Recombinant HLA-DR2 Molecules" The Journal of Biological Chemistry, vol. 271, No. 33, Aug. 16, 1996, pp. 20156-20162.	
/MD/		Scott et al. "Role of Chain Pairing for the Production of Functional Soluble IA Major Histocompatibility complex Class II Molecules" J. Exp. Med. vol. 183, May 1996, pp. 2087-2095.	
/MD/		Gnjatic et al. "Mapping and ranking of potential cytotoxic in the p53 protein: effect of mutations and polymorphism on peptide binding to purified and refolded HLA molecules" Eur. J. Immunol. 25(6):1638-42 (Jun. 1995) (Abstract).	

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Application Number	10/618,267
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First Named Inventor	Schneck
Art Unit	1644
Examiner Name	M. DIBRINO

Attorney Docket Number 001107.00355

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/MD/		Kozono et al., "Production of soluble MHC class II proteins with covalently bound single peptides" Nature 369(6476):151-54 (May 1994).	
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/MD/		Matsui et al. Kinetics of T-cell receptor binding to peptide/I-Ek complexes: correlation of the dissociation rate with T-cell responsiveness. Proc. Natl. Acad. Sci., USA, 91(26)12862-12866, 20 December 1994.	

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/MD/		McClarty et al. "An HLA-restricted, p53 immune response from HLA transgenic p53 knockout mice" Ann Surg Oncol 1998 Jan.-Feb.; 5(1):93-9.	
		Mouez et al. "Cells Expressing a Major Histocompatibility Complex Class I Molecule with a Single Covalently Bound Peptide are Highly Immunogenic" J. Exp. Med., 181:493-502 (Feb. 1995).	
		White et al. "Soluble Class I MHC with $\beta$ -Microglobulin Covalently Linked Peptides: Specific binding to a T Cell Hybridoma" J. Immunol. 162(5):2671-2676 (Mar. 1999).	
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		Vierboom et al. "Tumor eradication by wild-type p53-specific cytotoxic T lymphocytes" J. Exp. Med. 1997 Aug; 286(5):693-704 (Abstract).	
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/MD/		McLief and Kast "T-cell immunotherapy of cancer" Res Immunol 1991 Jun.-Aug.; 142(5-6):425-9 (Abstract).			T <sup>2</sup>
/MD/		DeLeo "p53-based immunotherapy of cancer" Crit Rev Immunol 1998;18(1-2):29-35 (Abstract).			
/MD/		Bertholet et al. "Cytotoxic T lymphocyte responses to wild-type and mutant mouse p53 peptides" Eur J Immunology 1997 Mar; 27(3):798-801 (Abstract).			
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		Michael S. Lebowitz, et al., Cellular Immunology 192, 175-184 (1999), "Soluble, High-Affinity Dimers of T-Cell Receptors and Class II Major Histocompatibility Complexes: Biochemical Probes for Analysis and Modulation of Immune Responses".		
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Substitute for form 1449B/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				<i>Application Number</i>	10/618,267
<i>(Use as many sheets as necessary)</i>				<i>Filing Date</i>	July 14, 2003
				<i>First Named Inventor</i>	Schneck
				<i>Art Unit</i>	1644
				<i>Examiner Name</i>	M. DIBRINO
Sheet	9	of	10	<i>Attorney Docket Number</i>	001107.00355

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/MD/		Goldberg <i>et al.</i> , "In vivo Augmentation of Tumor-Specific CTL Responses by Class I/Peptide Antigen Complexes on Microspheres (Large Multivalent Immunogen)," <i>J. Immunol.</i> 170, 228-35, 2003	
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/MD/		Burgess et al. Possible dissociation of the heparin-binding and mitogenic activities of heparin-binding (acidic fibroblast) growth factor-1 from its receptor-binding activities by site-directed mutagenesis of a single lysine residue. <i>J. Cell Bio.</i> 111:2129-2138, 1990.	
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